Performance Data Sheet

AJA2419ZXA

General Information

Model	AJA2419ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	1060	885	708	532	361	201	55.4
	Watts	326	331	322	301	271	235	195
	Amps	4.87	4.88	4.84	4.74	4.59	4.38	4.12
	Lb/h	18.7	17.1	14.7	11.7	8.44	4.99	1.61
-35	Btu/h	1390	1170	952	737	528	332	153
	Watts	368	375	368	349	322	288	250
	Amps	5.15	5.15	5.10	5.00	4.85	4.65	4.40
	Lb/h	24.7	22.7	19.8	16.4	12.5	8.42	4.37
-30	Btu/h	1750	1500	1240	985	740	509	298
	Watts	410	419	415	400	375	345	310
	Amps	5.45	5.44	5.39	5.30	5.16	4.98	4.74
	Lb/h	31.5	29.1	25.9	22.0	17.7	13.1	8.48
-25	Btu/h	2150	1850	1560	1270	988	724	482
	Watts	450	463	463	451	431	404	374
	Amps	5.74	5.74	5.71	5.63	5.51	5.35	5.14
	Lb/h	38.7	36.2	32.7	28.5	23.8	18.8	13.7
-20	Btu/h	2570	2240	1900	1580	1260	968	696
	Watts	488	506	510	503	487	465	440
	Amps	6.03	6.05	6.03	5.98	5.89	5.76	5.58
	Lb/h	46.3	43.6	40.0	35.6	30.7	25.4	19.9
-15	Btu/h	3010	2630	2260	1900	1560	1230	934
	Watts	524	547	556	554	544	527	507
	Amps	6.31	6.35	6.36	6.34	6.29	6.20	6.07
	Lb/h	53.9	51.2	47.6	43.1	38.0	32.5	26.8
-10	Btu/h	3450	3040	2630	2240	1860	1510	1190
	Watts	556	585	600	604	600	590	576
	Amps	6.57	6.64	6.69	6.71	6.70	6.66	6.59
	Lb/h	61.3	58.8	55.2	50.8	45.6	40.1	34.2
-5	Btu/h	3880	3440	3000	2580	2170	1790	1440
	Watts	584	619	641	652	655	651	645
	Amps	6.79	6.91	7.01	7.08	7.12	7.14	7.13
	Lb/h	68.4	66.1	62.7	58.4	53.3	47.8	41.9

0	Btu/h	4310	3830	3360	2910	2480	2070	1700
	Watts	607	650	679	697	707	712	713
	Amps	6.99	7.16	7.30	7.43	7.54	7.63	7.69
	Lb/h	74.9	73.0	69.9	65.7	60.9	55.4	49.6
5	Btu/h	4710	4200	3710	3230	2770	2340	1940
	Watts	624	674	712	739	757	770	780
	Amps	7.14	7.36	7.58	7.77	7.95	8.11	8.25
	Lb/h	80.6	79.1	76.4	72.6	68.0	62.8	57.2
10	Btu/h	5090	4550	4020	3520	3040	2590	2170
	Watts	633	693	740	775	803	825	844
	Amps	7.23	7.53	7.82	8.09	8.35	8.59	8.82
	Lb/h	85.3	84.4	82.1	78.8	74.6	69.7	64.4

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.946647E+03	-5.191423E+02	5.087589E+00	2.194688E+01
C2	1.485688E+02	-7.812023E+00	-2.481855E-02	2.321733E-01
C3	-3.761918E+01	2.582235E+01	2.841325E-02	1.676313E+00
C4	-6.288817E-01	-2.398369E-01	-2.281162E-03	-3.307253E-02
C5	-9.674701E-01	1.403867E-01	4.147103E-04	1.665222E-02
C6	-1.629583E-01	-1.805252E-01	-4.250368E-05	-1.549866E-02
C7	-1.106197E-02	-1.093937E-03	-1.019816E-05	-2.887130E-04
C8	2.967933E-03	1.499412E-03	1.762278E-05	2.140365E-04
C9	1.892701E-03	8.511357E-05	4.064108E-06	-5.232538E-05
C10	8.059824E-04	4.210185E-04	-1.990644E-07	3.526381E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature